

MILITARY SPECIFICATION SHEET

CONNECTORS, FIBER OPTIC, CIRCULAR, PLUG AND RECEPTACLE STYLE,
 MULTIPLE REMOVABLE TERMINI, PLUG, SCREW THREADS,
 WITH 90° STRAIN RELIEF, ENVIRONMENT RESISTING

This specification is approved for use by all Depart-
 ments and Agencies of the Department of Defense.

The requirements for acquiring fiber optic connectors described herein
 shall consist of this specification and the latest issue of MIL-C-28876.

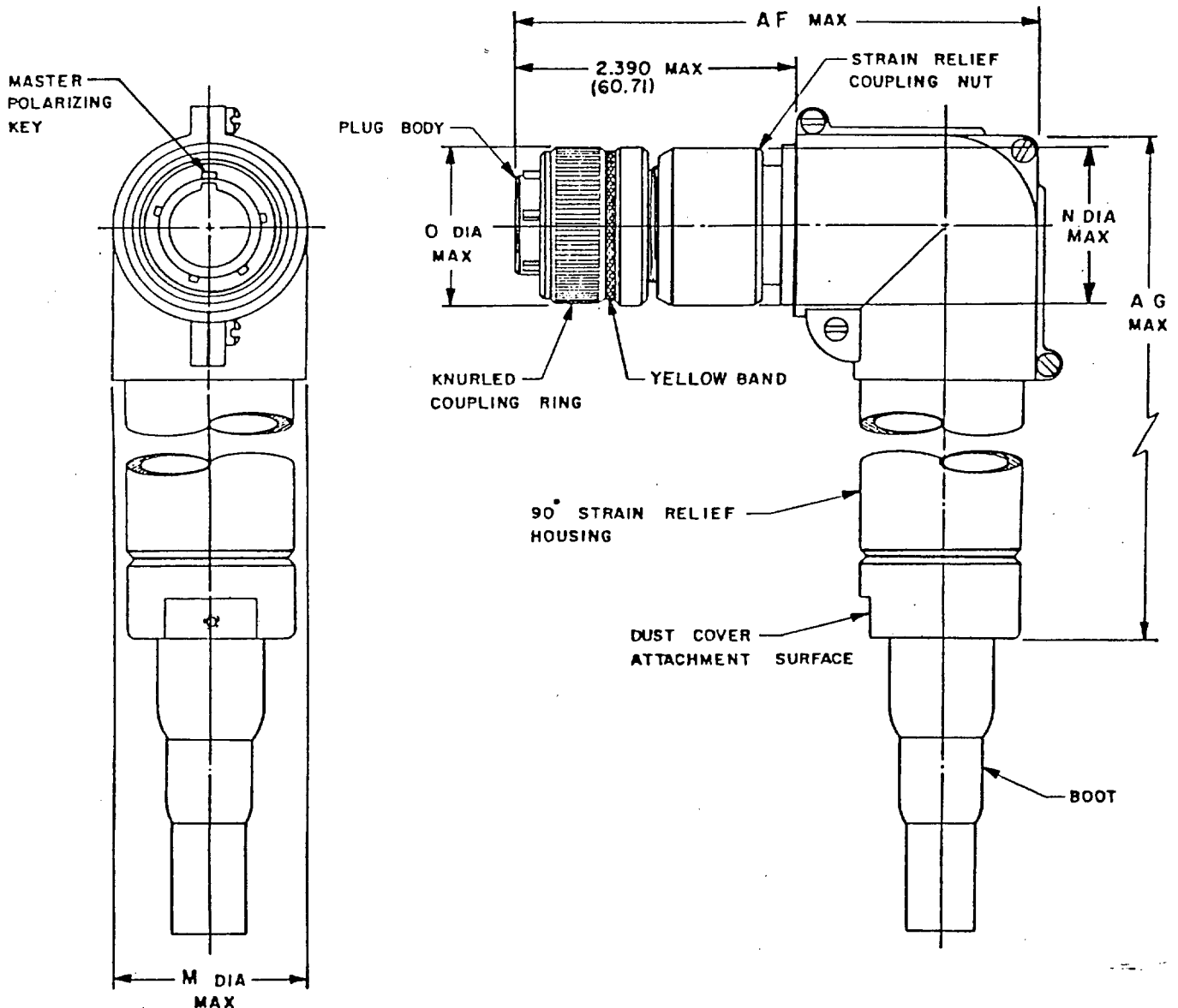


FIGURE 1. Plug connector with 90° backshell strain relief.

Shell size	N dia max	AF max	M dia max	AG max	For insert arrangement MIL-STD-2163 Figure	For color band EIA RS359	O dia max
11	.960 (24.38)	4.190 (106.43)	1.050 (26.67)	4.250 (107.95)	1	Yellow	1.028 (26.11)
13	1.085 (27.55)	4.190 (106.43)	1.050 (26.67)	4.250 (107.95)	2	Yellow	1.141 (28.98)
15	1.255 (31.88)	4.440 (112.78)	1.550 (39.37)	4.500 (114.30)	3	Yellow	1.263 (32.08)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Metric equivalents are in parentheses.
4. Dimensions apply after plating.

FIGURE 1. Plug connector with 90° backshell strain relief - Continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1 and MIL-C-28876, figures 3 and 8.

Mass: 14.5 ounces maximum.

Insert arrangement: See MIL-STD-2163 for desired shell size.

Termini: Style P (pin) or S (socket). See MIL-C-28876/16 and MIL-C-28876/17. (For dummy terminus see MIL-C-28876/18.)

Shell polarization: 1 through 6 keyway positions. See MIL-C-28876, figure 5.

Marking:

Part number: Marked on coupling ring of plug (see table I).

	M28876/9	B	1	2	P	1	
Basic part number	_____	_____	_____	_____	_____	_____	_____
Shell size designator letter	_____	_____	_____	_____	_____	_____	_____
Insert arrangement number	_____	_____	_____	_____	_____	_____	_____
							Keying position number
							Terminus style letter
							Backshell dash number

TABLE I. Part number designators.

Shell size	Designator	Insert arrangement number	Termini	Key position	Cable outer diameter, backshell dash number		
					1	2	3
11	A	1	P or S	1, 2, 3, 4, 5, or 6	.250 (6.35) .240 (6.09)		
13	B	1	P or S	1, 2, 3, 4, 5, or 6	.300 (7.62) .290 (7.36)		
15	C	1 or 2	P or S	1, 2, 3, 4, 5, or 6	.515 (13.08) .495 (12.57)	.260 (6.66) .235 (6.02)	.385 (9.78) .365 (9.27)

Color bands: See EIA RS359.

Mating counterpart: Plug connectors specified in MIL-C-28876/1 through MIL-C-28876/5 and MIL-C-28876/11 through MIL-C-28876/14.

Installation and removal tools: As specified in MIL-I-81969/46 through MIL-I-81969/49 and MIL-T-83523/5 through MIL-T-83523/8.

Quality conformance and periodic inspections: The following cables shall be used for quality conformance and periodic inspections:

<u>Shell size</u>	<u>Cables</u>
A	Siecor part number 277-R, 2-channel, 50 micron core, 125 clad, or equal.
B	Siecor part number 477-R, 4-channel, 100 micron core, 140 clad, or equal.
C	Belden part number 229626, 8-channel, 100 micron core, 140 clad, or equal.

For quality conformance and periodic inspections, dummy termini shall be used in all unused cavities.

Patent notice: The Government does not have a royalty-free license under the following patents for the benefit of manufacturers of the item, either for the Government or for use in equipment to be delivered to the Government:

<u>Patent application no.</u>	<u>Patent no.</u>
US (65,032)	US 4,330,965
US (260,660)	
US (376,866)	
US (403,446)	

Revision letters are not used to denote changes due to the extensiveness of the changes.

Custodians:

Army - CR
Navy - EC
Air Force - 85

Review activities:

Army - MI
Navy - AS, MC, SH
Air Force - 11, 17, 19, 80, 90, 99
DLA - ES

User activities:

Navy - OS, YD
Air Force - 13, 14

Preparing activity:

Navy - EC

Agent:

DLA - ES

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